



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**REGION IX**  
75 Hawthorne Street  
San Francisco, CA 94105

Memorandum

Subject: Annual Monitoring Network Plan for 2007

From: Sean Hogan, Chief  
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To: Region 9 Air Pollution Control Agencies

This document outlines the information that is required to be submitted to EPA Region 9 as part of the Annual Monitoring Network Plan by July 1, 2007. In addition to the overview and specific elements required for the network that is presented below, a template and appendix is attached. The template is an optional format to include all the required information. State and local agencies are not required to follow this exact format and are encouraged to include additional information that describes the ambient air monitoring network. The appendix provides the regulatory basis for the annual network plan.

**Overview**

**Submittal date:** States must submit an annual network plan on July 1, 2007 to the Regional Administrator.

**Public Inspection/Comment:** The annual monitoring network plan must be made available for public inspection (website, hardcopy posting in libraries and public offices, and/or newspaper listing) for at least 30 days prior to submission to EPA. Although not required, EPA recommends soliciting comments concurrent with the public inspection period. If an opportunity for public comment had been provided, comments received must be included in the annual network plan submission.

**Types of Monitors to include in plan:** Include establishment and maintenance of an air quality surveillance system that consists of the following:

1. SLAMS
2. FRM
3. FEM
4. ARM
5. NCORE
6. STN
7. PAMS

## 8. SPM

**Network modifications:** A network plan that proposes SLAMS network modifications including new monitoring sites is subject to the approval of the EPA RA.

### **Specific Elements Required in the Network Plan**

#### **General/Background Information**

- Network meets minimum number of monitors required?
  - For each pollutant consider MSA, population, design value, # required, # operating
  - Map displaying location of monitoring sites
- List of modifications to SLAMS network. Include public comments (if comment period was provided) and identify whether changes were made to the plan subsequent to the comment opportunity.
- Any proposals to remove or move a monitoring station within a period of 18 months following plan submittal
- Document how states and local agencies provide for the review of changes to a PM2.5 monitoring network that impact the location of a violating PM2.5 monitor or creation/change to a community monitoring zone.
- Precision/Accuracy reports submitted to AQS: Y/N
- Annual data certification submitted: Y/N

#### **Site Information**

- AQS site identification number for each site
- Location of each site: street address and geographic coordinates
- Distance of site from nearest roadway: meters
- Traffic count of nearest roadway: #
- Groundcover: paved, vegetated, etc.
- Identification of sites suitable and sites not suitable for comparison to the annual PM2.5 NAAQS as described in Part 58.30
- Statement of purpose for each monitor at site: descriptive site overview

#### **Monitor Information**

- Sampling method for each measured parameter: instrument model
- Analysis method for each measured parameter: if applicable
- Start date for each monitor: date
- Operating schedule for each monitor: 1:X day sampling
- Sampling season: dates
- Monitoring objective for each monitor: list objective
- Spatial scale of representativeness for each monitor: list scale
- MSA, CBSA, CSA or other area represented by the monitor
- Probe height: meters
- Distance from supporting structure: meters or N/A
- Distance from obstructions on roof: meters or N/A

- Distance from obstructions not on roof: meters or N/A
- Distance from trees: meters or N/A
- Distance to furnace or incinerator flue: meters or N/A
- Distance between collocated monitors: meters or N/A
- Unrestricted airflow: degrees
- Probe material (if applicable)
- Residence time (if applicable): s or N/A
- Frequency of flow rate verification for manual PM samplers audit, App A, 3.3.2: e.g. weekly, bi-weekly, monthly? (can be quarterly for high volume samplers)
- Frequency of flow rate verification for automated PM analyzers audit, App A, 3.2.3: e.g. weekly, bi-weekly, monthly?
- Frequency of one-point QC check, App. A, 3.2.1 (gaseous instruments): e.g. daily, weekly, bi-weekly?
- Last Annual Performance Evaluation, App. A, 3.2.2 (gaseous instruments): date
- Last two semi-annual flow rate audits for PM monitors, App A 3.2.4 and 3.3.3 (automated and manual): dates